

WIRING DIAGRAM

ITEM	QTY	U/M	DESCRIPTION	DOC	DRAWING NUMBER
12	1	EA	PET 20W 1X MF 1/PV	MS	100001305
11	1	EA	RES 24K 1/2W 1/8W	MS	100007106
10	2	EA	RES 100K 1/2W 1/8W BUDY	MS	100006803

PARTS USED TO MODIFY PRINTED CIRCUIT BOARD

ITEM	QTY	U/M	DESCRIPTION	DOC	DRAWING NUMBER
9	15	EA	CABLE 24 AVGS COND 30V	NC	100007674
8	3	EA	4" TIE WIRE	NC	100005796
7	2	EA	HOOD 9 PIN D-SUB 1/8" CABLE	MS	100008088
6	2	EA	CONN 9 PIN D-SUB	MS	100003456
5	1	EA	GASKET 1/8" VCP	MS	100005676
4	2	EA	GASKET 1/8" VCP	NC	100006406
3	1	EA	ATM SWITCH 4141DC18F003	PUP	4141DC18F003
2	1	EA	32515V 8VCR SHORT	DWG	100000012
1	1	EA	ASSY BODYP/PIRANI/ATM SWITCH	DWG	93-7585A

ITEM	QTY	U/M	DESCRIPTION	DOC	DRAWING NUMBER
15	1	EA	CABLE 24 AVGS COND 30V	NC	100007674
14	3	EA	4" TIE WIRE	NC	100005796
13	2	EA	HOOD 9 PIN D-SUB 1/8" CABLE	MS	100008088
12	2	EA	CONN 9 PIN D-SUB	MS	100003456
11	1	EA	GASKET 1/8" VCP	MS	100005676
10	2	EA	GASKET 1/8" VCP	NC	100006406
9	1	EA	ATM SWITCH 4141DC18F003	PUP	4141DC18F003
8	1	EA	32515V 8VCR SHORT	DWG	100000012
7	1	EA	ASSY BODYP/PIRANI/ATM SWITCH	DWG	93-7585A

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HPS INSTRUMENTS, INC.

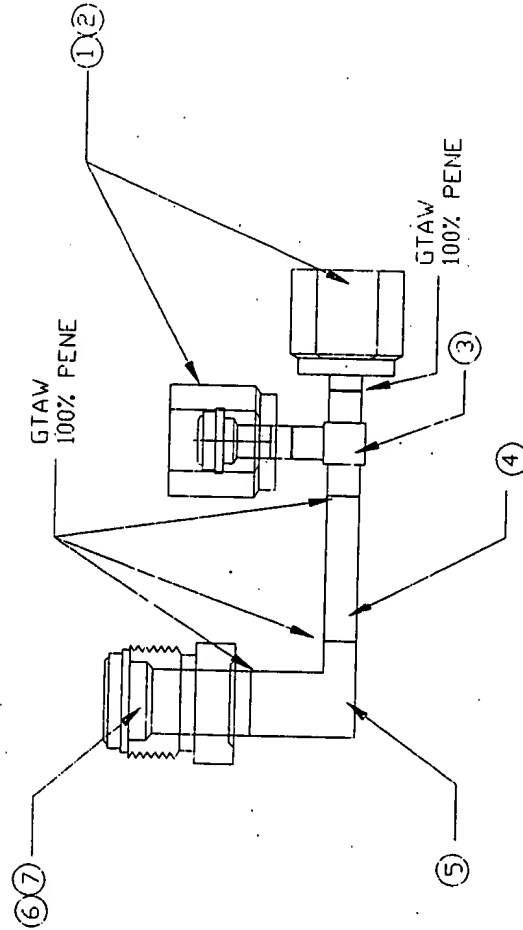
ASSY. PIRANI/ATM SWITCH

SHEET 1 OF 1

93-7585

B

- NOTES:
1. PULL MODUCELL AND REWORK PRINTED CIRCUIT BOARD PER DWG 93-7585D.
 2. TEST OUTPUT VOLTAGE @ ATMOSPHERE MIN. 9.52 MAX. 9.813.
 3. CUT CABLE ITEM 3 TO MATCH LENGTH OF CABLE FOR ITEM 2.
 4. ASSEMBLE PER WIRING DIAGRAM.
 5. SOLDER DRAIN WIRE TO SHELL OF 9 PIN D-SUB (ITEM 6).
 6. SOLDER TO SHELL OF 9 PIN D-SUB (ITEM 6).
 7. ASSEMBLY ENTIRE UNIT AS SHOWN.
 8. LEAK CHECK @ EACH VCP FITTING.
 9. ADJUST SET POINT VALUE TO 9.570 V.



ITEM	QTY	U/M	DESCRIPTION	DOC	DRAWING NUMBER
7	1	EA	NUT, MALE, 8VCR	MS	100003896
6	1	EA	GLAND, 8VCR, SHORT	MS	100008227
5	1	EA	ELBOW, CAJON 6LV-SMV-9-4	MS	100009858
4	1	IN	TUBE, 2500, 035W, 113'L	DWG	93-75858
3	1	EA	TEE, UNION, 1/4"	MS	100008228
2	2	EA	GLAND, 4VCR, SHORT	MS	100008136
1	2	EA	NUT, FEMALE, 4VCP	MS	100003813

TOLERANCES UNLESS OTHERWISE SPECIFIED
 X.X = ±.1 INCH
 X.XX = ±.01 INCH
 X.XXX = ±.005 INCH
 ANGLES = ±.5°
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 BREAK ALL CORNERS .015 INCH MAX SURFACES 6x

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HPS Division
 MTS INSTRUMENTS, INC.

MAN, PIRANI / ATM SWITCH

ORIGINATOR: STAFFORD
 ORIGINATING ENGINEER: STAFFORD
 ORIGINATING DRAFTER: STAFFORD

ORIGINATOR DATE: 9/2/98
 SCALE: 1=1
 REVISION: ENGINEER
 REVISION: ENGINEER
 REVISION: DRAFTER

SHEET 1 OF 1

DRAWING NUMBER: 93-7585A
 REV: A